

	Document ID	Issue Date	Pag es	Title	Current OR	Current XRef	Inventor
1	US 20040232241 A1	20041125	18	System, method, and apparatus for communicating information between a mobile communications device and a bar code scanner	235/462.46		Challa, Nagesh et al.
2	US 20040184569 A1	20040923	18	Digital voltage gain amplifier for zero if architecture	375/345		Challa, Raghu et al.
3	US 20040110525 A1	20040610	13	Systems and techniques for channel gain computations	455/522	330/279; 330/284; 370/317; 375/130; 455/561; 455/69	Black, Peter J. et al.
4	US 20030202268 A1	20031030	20	System and method for performing adaptive read retry operations in a data storage device	360/31	360/53; 360/78.04	Wang, Jun et al.
5	US 20030193992 A1	20031016	17	System and method for acquiring a received signal in a spread spectrum device	375/147		Challa, Raghu et al.
6	US 20030186665 A1	20031002	17	Gain control for communications device	455/240.1	455/234.1; 455/239.1	Black, Peter J. et al.
7	US 20030144020 A1	20030731	12	Intermediate wake mode to track sleep clock frequency in a wireless communication device	455/522	455/506; 455/69	Challa, Raghu et al.
8	US 20030143951 A1	20030731	18	Pilot frequency acquisition based on a window of data samples	455/20	455/23	Challa, Raghu et al.
9	US 20030142734 A1	20030731	19	Pilot interpolation for a gated pilot with compensation for induced phase changes	375/149		Black, Peter J. et al.
10	US 20030137996 A1	20030724	13	Acquisition of a gated pilot signal	370/491	370/500	Roh, Mark et al.

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11	US 20030114180 A1	20030619	16	SYSTEMS AND TECHNIQUES FOR CHANNEL GAIN COMPUTATIONS	455/522	455/69	Black, Peter J. et al.
12	US 20030112856 A1	20030619	13	Acquisition of a gated pilot signal with coherent and noncoherent integration	375/148	375/150	Challa, Raghu et al.
13	US 20030086396 A1	20030508	18	Method and apparatus for searching for pilots over code space in a CDMA communication system	370/335	370/342; 370/441	Gurski, Remi et al.
14	US 20030067898 A1	20030410	21	Method and apparatus for acquiring pilots over code space and frequency errors in a CDMA communication system	370/335	370/342	Challa, Raghu et al.
15	US 20030058261 A1	20030327	17	Static display of a bar code on a display of a mobile communications device	345/690		Challa, Nagesh et al.
16	US 20030057284 A1	20030327	19	System, method and apparatus for communicating information between a mobile communications device and a bar code reader	235/462.46		Challa, Nagesh et al.
17	US 20030054768 A1	20030320	23	Method and apparatus for acquiring and tracking pilots in a CDMA communication system	455/63.1	455/504	Challa, Raghu et al.
18	US 20030014453 A1	20030116	19	Logarithmic lookup tables	708/277		Challa, Raghu et al.
19	US 20030012257 A1	20030116	17	System and method for acquiring a received signal in a spread spectrum device	375/130		Challa, Raghu et al.
20	US 20030011423 A1	20030116	19	Digital voltage gain amplifier for zero IF architecture	327/560		Challa, Raghu
21	US 20020160734 A1	20021031	21	Direct conversion receiver architecture	455/245.1	455/234.1; 455/240.1	Li, Tao et al.
22	US 20020160719 A1	20021031	21	Method and apparatus for searching a gated pilot	455/67.14	455/434; 455/515	Glazko, Serguei A. et al.

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23	US 20020145043 A1	20021010	41	System, method, and apparatus for communicating information encoded in a light -based signal using a fob	235/462.01		Challa, Nagesh et al.
24	US 20020060246 A1	20020523	41	Method and apparatus for acquiring, maintaining, and using information to be communicated in bar code form with a mobile communications device	235/462.46		Gobburu, Venkata T. et al.
25	US 6813478 B2	20041102	20	Method and apparatus for searching a gated pilot	455/67.14	370/342; 370/491	Glazko; Serguei A. et al.
26	US 6748201 B2	20040608	17	Gain control for communications device	455/240.1	455/239.1; 455/341	Black; Peter J. et al.
27	US 6736322 B2	20040518	42	Method and apparatus for acquiring, maintaining, and using information to be communicated in bar code form with a mobile communications device	235/462.46	235/462.01	Gobburu; Venkata T. et al.
28	US 6707865 B2	20040316	18	Digital voltage gain amplifier for zero IF architecture	375/345		Challa; Raghu
29	US 6700922 B2	20040302	17	System and method for acquiring a received signal in a spread spectrum device	375/147	375/149	Challa; Raghu et al.
30	US 6691233 B1	20040210	16	Battery operated ink capture device that operates in a normal power mode during active use and a minimum power mode during absence of active use	713/300	713/320	Gannage; Michel E. et al.
31	US 6685093 B2	20040203	20	System, method and apparatus for communicating information between a mobile communications device and a bar code reader	235/462.46	235/472.01; 235/472.02	Challa; Nagesh et al.
32	US 6657803 B1	20031202	13	Method and apparatus for data error recovery using defect threshold detector and viterbi gain	360/53	360/46	Ling; Khong Mau et al.
33	US 6608858 B1	20030819	15	Multipath doppler adjusted frequency tracking loop	375/147	375/148	Sih; Gilbert C. et al.

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34	US 6594501 B2	20030715	15	Systems and techniques for channel gain computations	455/522	330/279; 330/284; 370/317; 375/130; 455/561; 455/69	Black; Peter J. et al.
35	US 6580746 B2	20030617	16	System and method for acquiring a received signal in a spread spectrum device	375/130	375/136; 375/137; 375/147	Challa; Raghu et al.
36	US 6504956 B1	20030107	18	Method and apparatus for digitally capturing handwritten notes	382/188	178/18.03; 345/173; 345/179; 382/189; 382/315	Gannage; Michel E. et al.
37	US 6453181 B1	20020917	19	Method and apparatus for compensating for frequency drift in a low frequency sleep clock within a mobile station operating in a slotted paging mode	455/574	455/343.4	Challa; Raghu et al.
38	US 6396481 B1	20020528	18	Apparatus and method for portable handwriting capture	345/169	178/18.01; 178/19.01; 345/158; 345/173; 345/175	Challa; Nagesh et al.

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39	US 6282504 B1	20010828	13	Method of receiving a facsimile message	703/21	358/400; 379/100.01; 703/22; 703/6	Wong; David K. et al.
40	US 5819069 A	19981006	16	Recording apparatus and method having low power consumption	379/67.1	358/442	Wong; David K. et al.
41	US 5563842 A	19961008	13	Row decoder for a memory having settable threshold memory cells	365/230.06	365/189.09; 365/203	Challa; Nagesh
42	US 5414658 A	19950509	16	Electrically erasable programmable read-only memory array	365/185.06	365/185.18; 365/185.2; 365/185.24; 365/185.27; 365/218	Challa; Nagesh
43	US 5410680 A	19950425	26	Solid state memory device having serial input/output	703/24		Challa; Nagesh et al.
44	US 5408431 A	19950418	14	Single transistor EEPROM architecture	365/185.17	365/185.18; 365/185.26; 365/185.28; 365/189.04	Challa; Nagesh

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45	US 5357465 A	19941018	12	Single transistor EEPROM memory cell	365/185.18	365/149; 365/182; 365/185.12; 365/185.23; 365/185.26; 365/185.27; 365/185.33	Challa; Nagesh
46	US 5345418 A	19940906	13	Single transistor EEPROM architecture	365/185.17	365/185.18; 365/185.26; 365/185.3; 365/185.33; 365/218; 365/226; 365/51	Challa; Nagesh
47	US 5323351 A	19940621	10	Method and apparatus for programming electrical erasable programmable read-only memory arrays	365/218	365/185.12; 365/185.22; 365/185.25; 365/185.3; 365/185.33	Challa; Nagesh

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48	US 5297081 A	19940322	16	Electrical erasable programmable read-only memory array	365/185.13	365/185.12; 365/185.21; 365/185.25; 365/185.33; 365/208	Challa; Nagesh
49	US 5291584 A	19940301	27	Methods and apparatus for hard disk emulation	703/24		Challa; Nagesh et al.
50	US 5222040 A	19930622	8	Single transistor EEPROM memory cell	365/185.24	365/185.12; 365/185.16; 365/185.18; 365/185.26; 365/185.27; 365/185.29; 365/185.3; 365/185.33; 365/186; 365/218	Challa; Nagesh

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51	US 5197027 A	19930323	10	Single transistor EEPROM architecture	365/185.16	365/185.13; 365/185.18; 365/185.26; 365/185.3; 365/185.33; 365/218; 365/51	Challa; Nagesh
52	US 20030186665 A	20031002	17	Gain control method of amplifier used in multimedia communication system, involves adjusting gain control signal corresponding to point on predetermined gain curve as function of first one of parameter values			BLACK, P J et al.
53	US 20030144020 A	20030731	12	Operation mode setting method for wireless communication device e.g. cellular telephone, involves reducing power of wireless device at sleep period after increasing power during intermediate wake period			ACHOUR, B et al.
54	US 20030137996 A	20030724	13	Embedded signal search method for code division multiple access communication system, involves evaluating transformed correlation value related to frequency content for searching embedded signal			CHALLA, R et al.
55	US 20030114180 A	20030619	15	Transmission power control method in code division multiple access communication system, involves computing gain of data rate control channel as function of power ratio of control channel to pilot channel			ATTAR, R et al.

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56	WO 200247281 A	20020613	49	Sleep period length tracking method for mobile communication system, involves tracking remaining fractional portions of cycles of sleep mode clock not accounted by integer sleep counter, by using fractional sleep counter			BARGHOUTI, I et al.
57	WO 200159937 A	20010816	15	Multipath Doppler-adjusted frequency tracking loop with rake fingers for computing individual frequency errors which are averaged to provide a control signal			AGRAWAL, A et al.
58	US 5291584 A	19940301	27	Solid state equivalent of magnetic media computer hard disk - uses several banks of solid state memory cells with data and clock buses and interface adapted for communicating with hard disk control system			CHALLA, N et al.